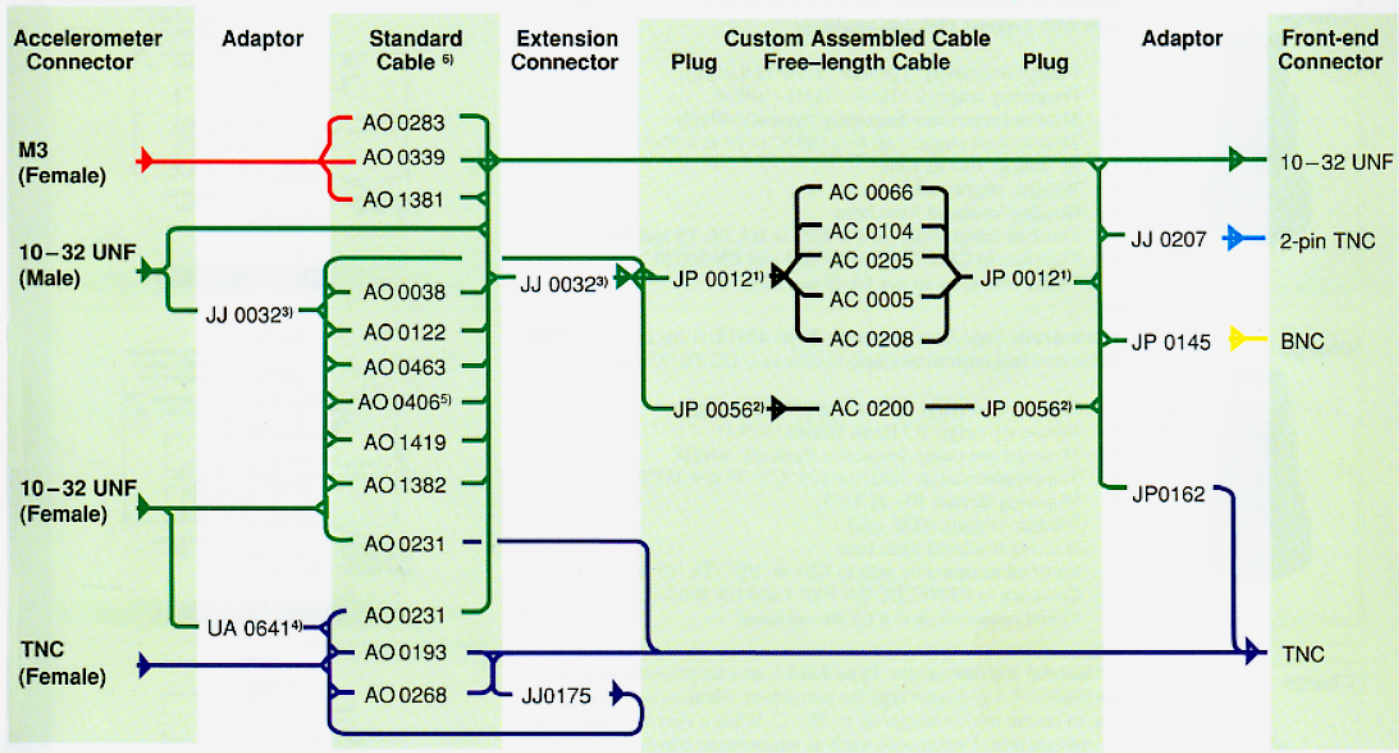


Cable assembly overview

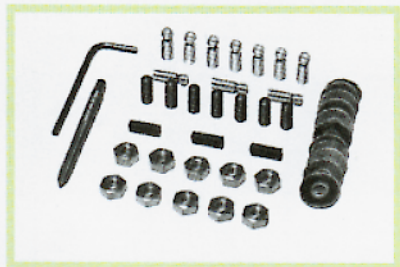


¹⁾ Available in set with 25 pieces as UA0130
²⁾ Available in set with 25 pieces as UA0730
³⁾ Available in set with 25 pieces as UA0186
⁴⁾ For accelerometers with top connector
⁵⁾ A00406 includes JP0145
⁶⁾ See also Table 7

Standard accessory sets

Group	Type	Order No.
General Purpose Accelerometers with Built-in Electronics	4395, 4398, 4396, 4399	UA 1219
High-temperature Accelerometers	4371, 4383, 4384, 4382, 4370, 4381	UA 0078
High-sensitivity Accelerometers	4321	UA 0146
	4378, 4379	UA 0856
High-frequency/ Miniature Accelerometers	4374	UA 1079
	4375, 4393	UA 0629
	4394, 4397	UA 1218
Shock Accelerometers	8309	UA 0415
Industrial Accelerometers	4391	UA 0844
Force Transducers	8200	UA 0330

Additional accessory sets



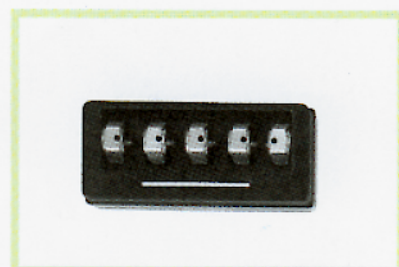
UA 0125: Set of 10 insulating studs YP0150, 10 steel studs YQ2960, 10 nuts YM0414, 10 micro washers YO0534 plus 10-32 UNF tap QA0029 and hexagonal key for 10-32 UNF studs QA0013.

Order No.: UA 0125



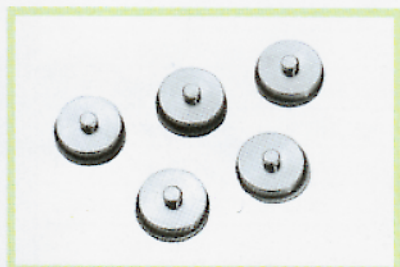
UA 0186: Set of 25 extension connectors JJ0032 for miniature cables with plugs JP0012 and JP0056.

Order No.: UA 0186



UA 0553: Set of 5 electrically insulated Mechanical Filters UA0559, plus a tommy bar for mounting. Also available with M3 thread as WA0224.

Order No.: UA 0553



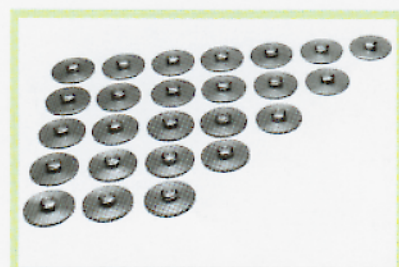
UA 0643: Set of 5 10-32 UNF mounting magnets UA0642, 10-32 UNF, Ø 24.45mm. PTFE self-adhesive discs DS0553 for electrical insulation included.

Order No.: UA 0643



UA 1075: Set of 5 UA1077, mounting magnets M3, Ø 10.2mm. Includes PTFE self-adhesive discs DS0786 for electrical insulation.

Order No. UA 1075



UA 0866: Set of 25 10-32 UNF cement studs DB0756.

UA 0867: Set of 25 M3 cement studs DB0757.

Order No.: UA 0866/UA 0867



UA 1192: Set of 10 insulating studs 10-32 UNF/10-32 UNF UA1215.

Order No.: UA 1192



UA 1193: Set of 10 insulating studs M3/ M3 UA1216.

Order No.: UA 1193



UA 1221: Set of 25 steel M3/M3 studs with flange YS8321.

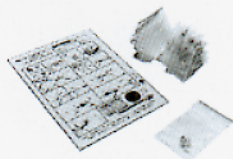
Order No.: UA 1221

Cables with and without connectors

Free-length Cable		Connector Type	Order No.
Type	Length (m)		
AC 0005	3.0	10-32 UNF / TNC	AO 0231
	1.2	TNC / TNC	AO 0193
	1.2	10-32 UNF/10-32 UNF	AO 0038
	3	10-32 UNF/10-32 UNF	AO 0038 F
	5	10-32 UNF/10-32 UNF	AO 0038 G
	10	10-32 UNF/10-32 UNF	AO 0038 H
	30	10-32 UNF/10-32 UNF	AO 0038 K
	x	10-32 UNF/10-32 UNF	AO 0038 V-AC 0005-x
	30		AC 0005 K
	50		AC 0005 L
	100		AC 0005 M
200		AC 0005 N	
AC 0200	3	10-32 UNF/10-32 UNF	AO 0122
	5	10-32 UNF/10-32 UNF	AO 0122 G
	10	10-32 UNF/10-32 UNF	AO 0122 H
	30	10-32 UNF/10-32 UNF	AO 0122 K
	x	10-32 UNF/10-32 UNF	AO 0122 V-AC 0200-x
	30		AC 0200 K
	100		AC 0200 M
	200		AC 0200 N
AC 0104	1.2	M3/10-32 UNF	AO 1381
	1.2	10-32 UNF/10-32 UNF	AO 1382
	3	10-32 UNF/10-32 UNF	AO 1382 F
	5	10-32 UNF/10-32 UNF	AO 1382 G
	5	10-32 UNF/10-32 UNF*)	AO 0406
	10	10-32 UNF/10-32 UNF	AO 1382 H
	30	10-32 UNF/10-32 UNF	AO 1382 K
	x	10-32 UNF/10-32 UNF	AO 1382 V-AC 0104-x
	30		AC 0104 K
	100		AC 0104 M
AC 0208	1.2	10-32 UNF/10-32 UNF	AO 0463
	3.0	10-32 UNF/10-32 UNF	AO 0463 F
	5.0	10-32 UNF/10-32 UNF	AO 0463 G
	10.0	10-32 UNF/10-32 UNF	AO 0463 H
	30.0	10-32 UNF/10-32 UNF	AO 0463 K
	x	10-32 UNF/10-32 UNF	AO 0463 V-AC 0208-x
	200		AC 0208 N
AC 0205	1.2	M3/10-32 UNF	AO 0283
	3.0	M3/10-32 UNF	AO 0283F
	5.0	M3/10-32 UNF	AO 0283 G
	10.0	M3/10-32 UNF	AO 0283 H
	30.0	M3/10-32 UNF	AO 0283 K
	x	M3/10-32 UNF	AO 0283V-AC 0205-x
	30		AC 0205 K
	100		AC 0205 M
AC 0066	1.2	10-32 UNF/10-32 UNF	AO 1419
	1.2	M3/10-32 UNF	AO 0339
	x	M3/10-32 UNF	AO 0339 V-AC 0066-x
	30		AC 0066 K
Spiral	1.1 to 4	TNC-TNC	AO 0268

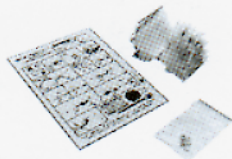
Specifications for cables for use with standard accelerometers

	AC 0005	AC 0066	AC 0104	AC 0200	AC 0205	AC 0208
Temperature (°C)	-75 to +250	-75 to +250	-50 to +200	-75 to +250	-75 to +250	Moveable -5 to +70 Fixed -20 to +70
Noise	Super low-noise	Low-noise	Low-noise	Super low-noise	Super low-noise	
Material Insulator/Coating	PTFE/PFA	PTFE/PFA	PTFE/PFA	PTFE/PFA	PTFE/PFA	PE/PVC
Screen	Single	Single	Double	Double	Single	Single
Capacitance (pF/m)	106	95	105	95	100	100
Dimension (mm)	Ø2.0	Ø1.0	Ø1.6	Ø3.2	Ø1.5	Ø2.0
10-32 Plug for Self-mounting	JP 0012	JP 0012	JP 0012	JP 0056	JP 0012	JP 0012



UA 0130: Set of 25 plugs JP0012 for cables AC0066, AC0205, AC0208, AC0104 and AC0005. The assembly tool QA0035 is required to mount the plugs.

Order No.: UA 0130



UA 0730: Set of 25 plugs JP0056 for cable AC0200. The assembly tool QA0035 is required to mount the plugs.

Order No.: UA 0730



UA 1243: 3 x 30 red/green/yellow cable markers for AC0205/AC0104

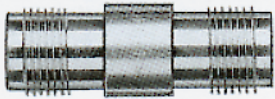
UA 1244: 3 x 30 Red/green/yellow cable markers for AC0005/AC0208.

Order No.: UA 1243/UA 1244



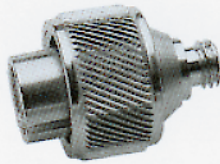
QA 0035: Assembly tool for mounting miniature plugs on accelerometer cables.

Order No.: QA 0035



JJ 0175: Extension connector for TNC to TNC cable.

Order No.: JJ 0175



JJ 0207: 2-pin TNC to 10-32 UNF plug adaptor.

Order No.: JJ 0207



JP 0145: 10-32 UNF to BNC plug adaptor.

Order No.: JP 0145



JP 0162: 10-32 UNF to TNC plug adaptor.

Order No.: JP 0162



UA 0641: 10-32 UNF to TNC extension connector for accelerometers with top connector.

Order No.: UA 0641



UA 0186: Set of 25 Extension Connectors JJ0032 for Brüel & Kjær cables fitted with 10-32 UNF connector JP0012.


Order No.: UA 0186



BB 0694: Piezoelectric Accelerometers and Vibration Preamplifiers, Theory and Application Handbook.

Order No.: BB 0694

Specifications for cables for use with industrial accelerometers

Cable	Diameter and Min. Bending Radius		Temperature Range (°C)	PG/7 Gland	Applica-tion	Name	Shield-ing	Applicable Accelerometers	Description
AC 0077	6	40	-70 to +250	DB 3116		Teflon insulated	Double	8315 8324	General purpose applications
AC 0087	6	40	-70 to +250	DB 3116	1)	Teflon insulated	Double	5704 5874	Identical to AC 0077 but coloured blue for use with intrinsically safe accelerometers
AC 0141	6	40	-50 to +150	DB 3116		ETFE insulated	Double	8325 8326	General purpose applications
AC 0076	6	40	-50 to +100			Polyurethane insul.	Single	5958	Highly resistant to seawater and many kinds of oil
AC 0202	3	40	-200 to +800	DB 3115		Hardline	Single	8315 8324 5874	Can withstand up to 10 ⁹ Rad. and be used in high-pressure enclosures. The cable is brazed on.

1) Complies with EEx standards, but is not certified

Specifications for integral and separate cables

Accelerometer Type	Free-length cable		Connector		Order No.
	Type	length (m)	Type	Max. temp.(°C)	
8315	AC 0077	x	2-pin TNC	250	8315-UA 1007- AC 0077-x
		x	Open-ended		8315-UA 1008 - AC 0077-x
	AC 0202	x	2-pin TNC	250	8315-UA 1012 - AC 0202-x
5704	AC 0087	x	Open-ended		5704 - AC 0087-X
8324 ¹⁾ Sealed	AC 0077	x	2-pin TNC	250	8324-UA 1007- AC 0077-x
		x	Open-ended		8324-UA 1008 - AC 0077-x
	AC 0202	x	2-pin TNC	250	8324-UA 1011- AC 0202-x
		x	Open-ended		8324-UA 1012- AC 0202-x
8324 ²⁾ Microvented	AC 0202	x	2-pin TNC	250	8324-UA 1013 - AC 0202-x
		x	Open-ended		8324-UA 1014 - AC 0202-x
5874	AC 0087	x	Open-ended		5874 - AC 0087-x
8325	AC 0141	1.5	BNC	125	8325 F
		5	Open-ended		8325 G
		10	Open-ended		8325 H
		15	Open-ended		8325 I
8326	AC 0141	1.5	BNC	125	8326 F
		5	Open-ended		8326 G
		10	Open-ended		8326 H
		15	Open-ended		8326 I
5958 ³⁾	AC 0076	10	Open-ended		5958 H
		x	Open-ended		5958 V - AC 0076-x
8315 8324 without integral cable	AC 0077	3	2-pin TNC/2-pin TNC	250	AO 0250 F
		5	2-pin TNC/2-pin TNC	250	AO 0250 G
		10	2-pin TNC/2-pin TNC	250	AO 0250 H
		15	2-pin TNC/2-pin TNC	250	AO 0250 I
		x	2-pin TNC/2-pin TNC	250	AO 0250 V - AC 0077-x
		x	2-pin TNC/KPT		AO 0250 V 001 - AC 0077-x
		x	2-pin TNC/open-ended		AO 0250 V 002 - AC 0077-x
	AC 0200	x	2-pin TNC/TNC		AO 0476 V - AC 0200-x

For details of cables for 4391: AO 0231, AO 0193 and AO 0268, see Table 8.

¹⁾ Sealed version for temperatures up to 300°C

²⁾ Microvented version for temperatures up to 400°C

³⁾ See Table 4 and page 27

Mounting accessories

Use for:	Description	Order No.
8325, 8326	1/4" – 28 UNF stud mount, AISI 430F, set of 10 pcs.	EA 2000
	1/4" – 28 UNF, serviceable stud mount, mounts/dismounts without turning entire cable, AISI 316, 1pc	EA 2003
	Glue-on disc for UA 1281 magnet mount, nickel-plated mild steel, set of 50 pcs incl. WQ 0732 adhesive	UA 1325
	Glue-on disc start set including UA 1281 magnet mount, WQ 0732 adhesive, set of 20 pcs.	UA 1282
8315, 8324, 5874, 5704	M5 to ARINC mount, supports a cable conduit WQ 0084, AISI 316, 1 pc.	WA 0113
	M5 to ARINC mount, without cable conduit support, AISI 316, 1 pc.	WS 0647
	M5 to ARINC mount, electrically isolated for non-grounded measuring points, AISI 316, 1 pc.	WA 0581
4391, 4391E	10 – 32 UNF stud mount, or UA0642 magnet mount, AISI 430F, set of 10 pcs.	WA 0601
	Glue-on disc for UA 0642 magnet mount, ¹⁾ AISI 430F, set of 50 pcs. incl. 50 plastic caps and WQ 0732 adhesive	WA 0622
All mountings	Adhesive/filler 2 comp. epoxy, –50 to 150°C 100N/mm ² , approx. 50 mountings	WQ 0732
Drilling threading	Ear syringe. Very useful for clearing the mounting hole of debris during drilling and threading at inaccessible locations	EQ 2060
	1/4" – 28 UNF tap set, 1 drill (Ø 5.5 mm), 2 taps, leading and bottom	EQ 2061
	10 – 32 UNF tap set, 1 drill (Ø 4.2 mm), 2 taps, leading and bottom	EQ 2065
	M5 tap set, 1 drill (Ø 4.2 mm), 2 taps, leading and bottom	EQ 2066

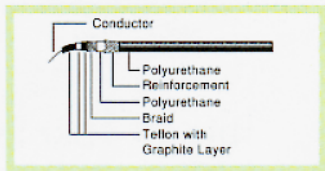
Note: All bolt-on mounting plates mount conveniently onto the measuring point with a single bolt

1) Additional accessory set, see page 35

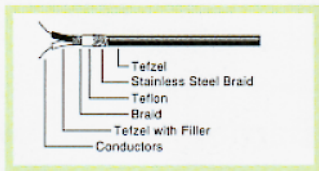
Mounting accessory overview



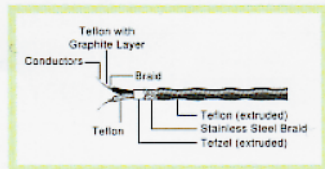
Cables for industrial accelerometers



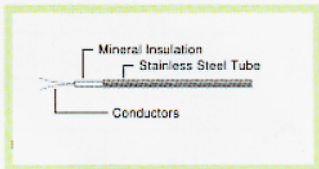
Order No.: AC0076



Order No.: AC0141



Order No.: AC0077/87



Order No.: AC0202